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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,289	09/19/2001	Takehito Yamaguchi	50023-151	8152
20277	7590	06/17/2005	EXAMINER	
MCDERMOTT WILL & EMERY LLP 600 13TH STREET, N.W. WASHINGTON, DC 20005-3096			SALL, EL HADJI MALICK	
			ART UNIT	PAPER NUMBER
			2157	
DATE MAILED: 06/17/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/955,289

Applicant(s)

YAMAGUCHI ET AL.

Examiner

El Hadji M. Sall

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 March 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 15-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 15-32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**1. DETAILED ACTION**

This action is responsive to the application filed on March 30, 2005. Claims 1 - 14 are cancelled. Claims 15-32 have been added. Claims 15 - 32 represent business machine network terminal and business machine network information management system.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 16 and 24 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. "Selecting means dynamically detects the other business machine network terminals connected to the network when deciding the available services" is not taught or suggested by the applicant in the specification.

Claims 15 and 23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 15 and 23 recites the limitation "Its function at the time of the decision" in lines 12 and 18. There is insufficient antecedent basis for this limitation in the claim. For

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purpose of prior art rejection in this office action, examiner presumes "function at the time of decision".

**2.**

***Claim Rejections - 35 USC § 102***

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

**3.** Claims 15,16, 18 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Cook U.S. 6,697,806.

Cook teaches the invention as claimed including access network authorization (see abstract).

As to claim 15, Cook teaches business machine network terminal providing services by transmitting and receiving data to/from other terminal including a different function through a network and performing cooperative processing with the other

business machine network terminals, the business machine network terminal comprising:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an object terminal the service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein the service selecting means decides available services to be provided by the cooperative processing with other business machine network terminals, each of which is available to perform function at the time of decision of the service selecting means, on the basis of a list of types of business machine network terminals necessary for the services and information on business network connected to the network, and selectably displays the available services (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

As to claim 16, Cook teaches the business machine network terminal defined in claim 15, wherein the service selecting means dynamically detects the other business machine network terminals connected to the network when deciding the available services (figure 5; column 14, lines 39-49, Cook discloses the access server generates

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an available services reply, then the access server connects the network device 512 to the selected service provider (i.e. "dynamic detection" of the network device to selected service provider when "deciding or generating available services"))).

As to claim 18, Cook teaches a business machine network terminal providing services by transmitting and receiving data to/from other terminal including a different function through a network and performing cooperative processing with the other business network terminals, the business machine network terminal comprising:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an object terminal the service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein the service selecting means, in case where there are a plurality of other business network terminals which can provide the same function, selectably displays those business machine network terminals, or select one or more of those business machine network terminals on the basis of information about the performance or installed place of those business machine network terminals (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

As to claim 22, Cook teaches a business machine network terminal providing services by transmitting and receiving data to/from other terminal including a different function through a network and performing cooperative processing with the other business machine network terminals, the business machine network terminal comprising:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an object terminal the service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein the business machine network terminal decides processing sequence of the cooperative processing with other business machine network terminals for providing the service, when a specific service is selected by using the service the service selecting means, on the basis of available service information which associated with types of business machine network terminals necessary for the services and processing sequence of each business machine network terminal for the service (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

**4. Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Machida U.S. 6,718,378.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 17, Cook teaches the business machine network terminal defined in claim 16.

Cook fails to teach explicitly processing information managing means for confirming the operation statuses of other business machine network terminals necessary for providing the selected service and judging whether each function of those other business machine network terminals can be provided normally based on the operation status, when the service is selected.

However, Machida teaches device management information processing apparatus method and storage medium. Machida teaches processing information managing means for confirming the operation statuses of network terminals necessary for providing the selected service (column 10, lines 30-33, Machida discloses the user can confirm the connection statuses of all PC's and peripherals (i.e. in this process includes "other terminals necessary for providing the selected service")) and judging



whether each function of those other network terminals can be provided normally based on the operation status, when the service is selected (column 28, lines 1-13, Machida discloses the management server judges whether or not there is other user who has selected the device connected to this P.C.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida to provide processing information managing means for confirming the operation statuses of other business machine network terminals necessary for providing the selected service and judging whether each function of those other business machine network terminals can be provided normally based on the operation status, when the service is selected. One would be motivated to do so to allow certainty and quality of service.

As to claim 19, Cook teaches the business machine network terminal defined in claim 18.

Cook fails to teach explicitly processing information managing means for confirming the operation statuses of each selected business machine network terminal and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected.

However, Machida teaches processing information managing means for confirming the operation statuses of each selected business machine network terminal (column 10, lines 30-33, Machida discloses the user can confirm the connection statuses of all PC's and peripherals (i.e. in this process includes "other terminals necessary for providing the selected service")) and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected (column 28, lines 1-13, Machida discloses the management server judges whether or not there is other user who has selected the device connected to this P.C.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida to provide processing information

managing means for confirming the operation statuses of each selected business machine network terminal and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected. One would be motivated to do so to allow certainty and quality of service.

6. Claims 23, 24, 26 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Schow U.S. 6,751,226.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 23, Cook teaches business machine network information management system for providing services by transmitting and receiving data between business machine network terminals through a network, and by performing cooperative processing with the business machine network terminals, the business machine network terminals each having a function different from the functions of the other business machine network terminals, wherein each of the business machine network terminals includes:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an information management server service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein the service selecting means decides available services to be provided by the cooperative processing with other business machine network terminals, each of which is available to perform function at the time of decision of the service selecting means, on the basis of a list of types of business machine network terminals necessary for the services and information on business network connected to the network, and selectably displays the available services (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

Cook fails to teach the information management server includes management information calculating means for calculating management information on the basis of the service information received from the business machine terminals.

However, Schow teaches the information management server includes management information calculating means for calculating management information on the basis of the service information received from the terminals (column 2, lines 48-51, Schow discloses to gather this information, the service provider employs a network, management server, which is programmed to request, process, and analyze information received from the locations being monitored).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow to provide the information management server includes management information calculating means for calculating management information on the basis of the service information received from the business machine terminals. One would be motivated to do so to allow information as to the operating status of various portions of the managed frame network (abstract).

As to claim 24, Cook teaches the business machine network information management system defined in claim 23, wherein the service selecting means

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dynamically detects the other business machine network terminals connected to the network when deciding the available services (figure 5; column 14, lines 39-49, Cook discloses the access server generates an available services reply, then the access server connects the network device 512 to the selected service provider (i.e. "dynamic detection" of the network device to selected service provider when "deciding or generating available services"))).

As to claim 26, Cook teaches a business machine network information management system for providing services by transmitting and receiving data between business machine network terminals through a network, and by performing cooperative processing with the business machine network terminals, the business machine network terminals each having a function different from the functions of the other business machine network terminals, wherein each of the business machine network terminals includes:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an object terminal the service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein the service selecting means, in case where there are a plurality of other business network terminals which can provide the same function, selectably displays those business machine network terminals, or select one or more of those business machine network terminals on the basis of information about the performance or installed place of those business machine network terminals (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select.

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With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

Wherein the service selecting means of each business machine network, in case where there are a plurality of other business network terminals which can provide the same function, selectably displays those business machine network terminals, or select one or more of those business machine network terminals on the basis of information about the performance or installed place of those business machine network terminals (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

Cook fails to teach the information management server includes management information calculating means for calculating management information on the basis of the service information received from the business network terminals.

However, Schow teaches the information management server includes management information calculating means for calculating management information on the basis of the service information received from the terminals (column 2, lines 48-51, Schow discloses to gather this information, the service provider employs a network, management server, which is programmed to request, process, and analyze information received from the locations being monitored).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow to provide the information management server includes management information calculating means for calculating management information on the basis of the service information received from the terminals. One

would be motivated to do so to allow information as to the operating status of various portions of the managed frame network (abstract).

As to claim 30, Cook teaches a business machine network information management system for providing services by transmitting and receiving data between business machine network terminals through a network, and by performing cooperative processing with the business machine network terminals, the business machine network terminals each having a function different from the functions of the other business machine network terminals, wherein each of the business machine network terminals includes:

Service selecting means for selecting one of the services (column 10, lines 38-39, Cook discloses the access server then receives a selection from a list of services);

Processing means for performing processing necessary for the selected service (column 10, lines 39-40, Cook discloses the access server processes the selection to generate an instruction to provide the service related to the selection); and

Processing information transmitting means for transmitting to an object terminal the service information that is generated on the basis of the processing with the processing means, and that is necessary for managing business network terminals on the network (column 10, lines 37-38, Cook discloses the access server transmits a list of services to a user system),

Wherein each business machine network terminal is configured to decide a processing sequence of the cooperative processing with other business machine network terminals for providing the service, when a specific service is selected by using the service selecting means, on the basis of available service information which associated with types of business machine network terminals necessary for the services and processing sequence of each business machine network terminal for the service (column 14, lines 17-29, Cook discloses access providers provide a list of services that the user can select. With the list of services, the access providers have the ability to advertise specific services users. The list of services may be generated based on the user access profile to make the list user specific. Once the user makes

the selection, the access server 524 connects the user to the service network such as Intranet, Internet, or private dedicated network that provides the selected service).

Cook fails to teach the information management server includes management information calculating means for calculating management information on the basis of the service information received from the business network terminals.

However, Schow teaches the information management server includes management information calculating means for calculating management information on the basis of the service information received from the terminals (column 2, lines 48-51, Schow discloses to gather this information, the service provider employs a network, management server, which is programmed to request, process, and analyze information received from the locations being monitored).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow to provide the information management server includes management information calculating means for calculating management information on the basis of the service information received from the terminals. One would be motivated to do so to allow information as to the operating status of various portions of the managed frame network (abstract).

7. Claims 25 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Schow U.S. 6,751,226, and further in view of Machida U.S. 6,718,378.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 25, Cook teaches the business machine network management system defined in claim 24.

Cook fails to teach explicitly processing information managing means for confirming the operation statuses of other business machine network terminals necessary for providing the selected service and judging whether each function of those other business machine network terminals can be provided normally based on the operation status, when the service is selected.

However, Machida teaches device management information processing apparatus method and storage medium. Machida teaches processing information managing means for confirming the operation statuses of network terminals necessary for providing the selected service (column 10, lines 30-33, Machida discloses the user can confirm the connection statuses of all PC's and peripherals (i.e. in this process includes "other terminals necessary for providing the selected service")) and judging whether each function of those other network terminals can be provided normally based on the operation status, when the service is selected (column 28, lines 1-13, Machida discloses the management server judges whether or not there is other user who has selected the device connected to this P.C.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow, and further in view of Machida to provide processing information managing means for confirming the operation statuses of other business machine network terminals necessary for providing the selected service and judging whether each function of those other business machine network terminals can be provided normally based on the operation status, when the service is selected. One would be motivated to do so to allow certainty and quality of service.

As to claim 27, Cook teaches the business machine network terminal defined in claim 26.

Cook fails to teach explicitly processing information managing means for confirming the operation statuses of each selected business machine network terminal and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected.



However, Machida teaches processing information managing means for confirming the operation statuses of each selected business machine network terminal (column 10, lines 30-33, Machida discloses the user can confirm the connection statuses of all PC's and peripherals (i.e. in this process includes "other terminals necessary for providing the selected service")) and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected (column 28, lines 1-13, Machida discloses the management server judges whether or not there is other user who has selected the device connected to this P.C.).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow, and further in view of Machida to provide processing information managing means for confirming the operation statuses of each selected business machine network terminal and judging whether the function of each selected business machine network terminal can be provided normally based on the operation status, when each business machine network terminal is selected. One would be motivated to do so to allow certainty and quality of service.

8. Claims 31 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Schow U.S. 6,751,226, and further in view of Pendlebury U.S. 6,493,760.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 31, Cook teaches the business machine network information management system defined in claim 30, wherein the management information calculating means of the information management server calculates a charge of the selected service on the basis of the device ID and the service information received from the business machine network terminals (column 19, lines 63-66, Cook discloses

A prepaid account code is any number that relates to a user's prepaid account. The prepaid account is debited against for the charges related to the access. Other charges related to the service provided may also be debited against the prepaid account).

Cook fails to teach explicitly the processing information transmitting means of each business machine network terminal corresponding to the selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed

However, Pendlebury teaches the processing information transmitting means of each business machine network terminal corresponding to the selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed (column 11, lines 18-28, Pendlebury discloses the mobile computing device transmits the request specified by the user in display screen to transaction server 144 through RF gateway 120, then the token-enabler unit responded to the request for available services at action (i.e. it is inherent that in the request includes the mobile computing device "ID"); column 8, lines 63-67, Pendlebury discloses a list of device services is identified to the user in the user interface display screen shown in figure 5).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Schow, and further in view of Pendlebury to provide the processing information transmitting means of each business machine network terminal corresponding to the selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed. One would be motivated to do so to allow authenticating the user.

As to claim 32, Cook discloses the business machine network information management system defined in claim 30, wherein the management information

calculating means of the information management server calculates a charge of the selected service on the basis of the device ID and the service information received from the business machine network terminals (column 19, lines 63-66, Cook discloses A prepaid account code is any number that relates to a user's prepaid account. The prepaid account is debited against for the charges related to the access. Other charges related to the service provided may also be debited against the prepaid account).

Cook fails to teach explicitly the processing information transmitting means of each business machine network terminal corresponding to the selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed

However, Pendlebury teaches the processing information transmitting means of each business machine network terminal corresponding to the selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed, and the specific business network terminal transmits the device ID and the service information transmitted from other business machine network terminals, to the information management server after completing all processing of the business machine network terminals corresponding to the selected service (column 11, lines 18-28, Pendlebury discloses the mobile computing device transmits the request specified by the user in display screen to transaction server 144 through RF gateway 120, then the token-enabler unit responded to the request for available services at action (i.e. it is inherent that in the request includes the mobile computing device "ID"); column 8, lines 63-67, Pendlebury discloses a list of device services is identified to the user in the user interface display screen shown in figure 5).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Pendlebury to provide the processing information transmitting means of each business machine network terminal corresponding to the

selected service transmits a device ID which can specify itself and the service information to the information management server when processing of the processing means of that business machine network terminal is completed, and the specific business network terminal transmits the device ID and the service information transmitted from other business machine network terminals, to the information management server after completing all processing of the business machine network terminals corresponding to the selected service. One would be motivated to do so to allow authenticating the user.

9. Claims 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Machida U.S. 6,718,378, and further in view of Pendlebury U.S. 6,493,760.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 20, Cook teaches the business machine network terminal defined in claim 17 or 19.

Cook fails to teach explicitly the processing information managing means transmits a multiplex processing request packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing; and the processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means; and

The processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means.

However, Pendlebury teaches standalone device for identifying available document services in a token-enabled operating environment. Pendlebury teaches the processing information managing means transmits a multiplex processing request packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing (column 10, lines 45-57, Pendlebury discloses computing device 118 transmits a request for a list of available transaction services over an IR communication channel for the user at action), and

The processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means (column 10, lines 54-67, Pendlebury discloses upon receipt of the request 704, the token-enabler unit transmits to the mobile computing device the parameters defining the device service form, and once information concerning an available service is received, the service display screen is presented a the user interface).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida, and further in view of Pendlebury to provide the processing information managing means transmits a multiplex processing request packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing; and the processing

information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means, and the processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means. One would be motivated to do so to allow identifying information of the non token-enabled device (see abstract).

As to claim 21, Cook teaches the business machine network terminal defined in claim 20.

Cook fails to teach explicitly the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means.

However, Pendlebury teaches the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means (column 11, lines 18-28, Pendlebury discloses the mobile computing device transmits the request specified by the user in display screen to transaction server 144 through RF gateway 120, then the token-enabler unit responded to the request for available services at action (i.e. it is inherent that in the request includes the mobile computing device "ID"); column 8, lines 63-67, Pendlebury discloses a list of device services is identified to the user in the user interface display screen shown in figure 5).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida, and further in view of Pendlebury to provide the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means.

One would be motivated to do so to allow authenticating the user.

**10.** Claims 28 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook U.S. 6,697,806 in view of Schow U.S. 6,751,226, in view of Machida U.S. 6,718,378, and further in view of Pendlebury U.S. 6,493,760.

Cook teaches the invention substantially as claimed including access network authorization (see abstract).

As to claim 28, Cook teaches the business machine network information management system defined in claim 25 or 27.

Cook fails to teach explicitly the processing information managing means transmits a multiplex processing request packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing; and the processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means; and

The processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means.

However, Pendlebury teaches standalone device for identifying available document services in a token-enabled operating environment. Pendlebury teaches the processing information managing means transmits a multiplex processing request

packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing (column 10, lines 45-57, Pendlebury discloses computing device 118 transmits a request for a list of available transaction services over an IR communication channel for the user at action), and

The processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means (column 10, lines 54-67, Pendlebury discloses upon receipt of the request 704, the token-enabler unit transmits to the mobile computing device the parameters defining the device service form, and once information concerning an available service is received, the service display screen is presented a the user interface).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida, and further in view of Pendlebury to provide the processing information managing means transmits a multiplex processing request packet to each selected business machine network terminal based on processing sequence information having a processing sequence for one or more business machine network terminals for providing a series of services, commands for processing means of the other business machine network terminals, user handle for identifying a user, and data which is an object of processing; and the processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing request packet to the processing means, and the processing information managing means, when the multiplex processing request packet from the other business machine network terminals is received, requests processing of the command included in the multiplex processing



request packet to the processing means. One would be motivated to do so to allow identifying information of the non token-enabled device (see abstract).

As to claim 29, Cook teaches the business machine network information management system defined in claim 28.

Cook fails to teach explicitly the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means.

However, Pendlebury teaches the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means (column 11, lines 18-28, Pendlebury discloses the mobile computing device transmits the request specified by the user in display screen to transaction server 144 through RF gateway 120, then the token-enabler unit responded to the request for available services at action (i.e. it is inherent that in the request includes the mobile computing device "ID"); column 8, lines 63-67, Pendlebury discloses a list of device services is identified to the user in the user interface display screen shown in figure 5).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Cook in view of Machida, and further in view of Pendlebury to provide the processing information managing means transmits to an information management server the user handle, a device ID which can specify itself, and the service information about contents of the service provided by the processing means. One would be motivated to do so to allow authenticating the user.

**11. Conclusion**

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to El Hadji M Sall whose telephone number is 571-272-4010. The examiner can normally be reached on 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-4010.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

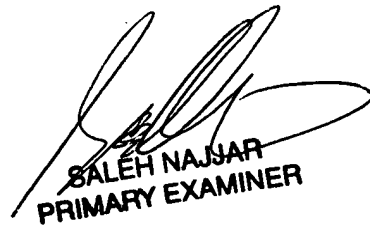
you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

El Hadji Sall

Patent Examiner

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SALEH NAJJAR  
PRIMARY EXAMINER